



09/683451

Customer NO. 022844

PATENT



OFFICIAL  
UNOFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Tarabishy et al.

Serial No: 09/683,451

Group Art Unit: 3683

Filed: 01/02/2002

Examiner: Torres, Melanie

Title: BRAKE PEDAL SYSTEM FOR IMPROVED BRAKING  
PERFORMANCE

RECEIVED

NOV 24 2003

GROUP 3600

☒ CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

FACSIMILE

☒ deposited with the United States Postal Service  
with sufficient postage as first class mail in an envelope  
addressed to Assistant Commissioner for  
Patents, Washington, D.C. 20231.

☐ transmitted by facsimile to  
the Patent and Trademark Office  
Fax No:  
Total No. of Pages:

11/12/03

Date

*Saundra M. Lewis*

Signature

Saundra M. Lewis

☒ PETITION AND FEE FOR EXTENSION OF TIME (37 CFR 1.136(a))

1. This is a petition for an extension of time to respond to the Office Action mailed March 29, 2002 requesting a 3 month extension of time.

2. Applicant is other than a small entity.

3. Extension (Months)

- ☐ one month  
☐ two months  
☒ three months  
☐ four months

Fee For Other Than Small Entity

\$110.00  
\$400.00  
\$920.00  
\$1440.00

4. Amendment is filed herewith.

5. Please charge fee to Deposit Account 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No.06-1505.

## AMENDMENT AND REQUEST FOR RECONSIDERATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants submit this Amendment and Request For Reconsideration in response to the Office Action, mailed May 12, 2003, and allowing three months for a response. This response is timely because an extension of the time for response (3 months) is being filed with this paper.

The Applicants will address all the points raised by the Examiner and demonstrate that the present invention is patentable.

### IN THE CLAIMS

Please cancel claims 3, 12 and 18.

---

01

1. A braking apparatus comprising:

a brake pedal operative to reduce vehicle speed and coupled to a brake position sensor, said brake position sensor being operative to generate a brake position signal;

a brake pedal actuator coupled to said brake pedal and operative to generate a variable brake feel force to said brake pedal;

a forward detection apparatus operative to detect vehicle distance and relative vehicle speed and generate a vehicle distance signal and a relative vehicle speed signal; and

a controller coupled to said brake pedal actuator and being operative to receive said brake position signal, said vehicle distance signal, and said vehicle speed signal, said controller including control logic operative to modify said variable brake feel force in proportion to said brake position signal, said vehicle distance signal and said vehicle speed signal, wherein said variable brake feel force induces a driver to apply an increased brake pedal force.